



**ATTACHMENT B**

**Applied Metering Technologies, Inc. Summary of  
Training Practices and Personnel Qualifications Standards**

Applied Metering Technologies, Inc  
Training practices

**Description of AMT's training and experience regarding electrical safety:**

In addition to the experience gained in metering from the previous table and discussion, all of our technicians have completed formal classes within the utility's meter training program. A copy of Certificates of Completion issued by SCE for the journeyman technician position are on file for those AMT technicians that previously worked at SCE.

AMT technicians who formerly worked at SCE, have satisfactorily passed technical written examinations for the following meter positions:

Meter Shop Testman  
District Singlephase Testman (Class 1 Technician in Illinois)  
District Polyphase Testman (Class 2 & 3 Technician in Illinois)  
Primary Testman (Class 3 Technician in Illinois)

Additionally, all four technicians' positions listed above require formal classroom training once the written exam has been passed. The classroom training lasts from one week to three weeks of hands on exercises for the three field positions. Classroom training includes the use of meter test equipment and tools to properly install, calibrate and troubleshoot various meter types and meter configurations. Each testman must undergo up to several weeks of training in the simulated environment before the technician is allowed to perform any work in the field. The most critical aspect of this training is the intense focus on safety. Since all technicians will eventually be working on the field alone, the technical instructor must ensure that all safe work practices are followed and embedded in their routine. All of AMT's meter technicians have followed either this curriculum to attain their present status, or a similar curriculum from Pacific Gas and Electric Company (for our meter technician in northern California) or Commonwealth Edison (for our meter technician in the state of Illinois). For our meter technician in Illinois, he previously taught these same meter classes to other meter technicians in ComEd.

Following the hands on training, each technician is then accompanied by a supervisor for a week or two periods who oversees his/her practices in the field before fully qualifying that person to work unsupervised. Again, the focus is on safety and overall accuracy of a metering installation. All AMT technicians have had this training as well.

As a final check to ensure technician practices are maintained, technicians are routinely brought in for refresher training, given updated technical training on new meters and meter devices, and visited by supervision to ensure their practices are safe and accurate. All AMT technicians have gone through this in-depth field training and coaching while at their respective utilities. Since joining AMT, our technicians have had additional training on the use of the newer solid state meters and the internal meter software that is used on

these meters. The same thorough curriculum that was followed at SCE will be followed by AMT to ensure the safety of our workers.

**Description of additional practices in Safety and Hiring:**

AMT will be following very similar practices to those at various utilities. In addition to the measures above, AMT's program includes the following practices:

**Use of Safety Equipment:** All AMT technicians are issued the following safety gear and are required to wear this when conducting work on meters.

- a) Hard hat.
- b) Face shield.
- c) Rubber gloves, Class 0, rated at 1,000 volts.
- d) Leather protector gloves (used over the rubber gloves).
- e) NoMex flame retardant shirts.

In addition to the above, safety equipment includes the following based on the situation and the work environment:

- a) Ear plug protection
- b) Safety goggles
- c) Rubber gloves, Class 1, rate at 10,000 volts for primary voltages

**Hiring:** AMT has an entrance exam for future entry-level technicians. The exam consists of questions on basic electricity, algebra, and trigonometry – the foundations from which metering principles are derived. A high school diploma is basic requirement, and AMT will also inquire as to advance college level training in basic electrical and higher mathematics courses. AMT's hiring practices include a background check and a check for a valid drivers license.

For those individuals requesting work with AMT, their background will be assessed to ascertain whether prior utility work experience may qualify them for a higher classification than Class 1 Technician.

**Description of AMT's Personnel Qualification Standards for meter technicians:**

AMT maintains Personnel Qualification Standards (PQS) and completes a training matrix form for each classification. Basically, this form measures the various levels of training completed by each technician and the tasks that each technician is qualified to perform. Supervision, in combination with the lead technician, will date and initial the PQS form as training modules are successfully completed, or as the technician is qualified to complete various tasks. The PQS forms are attached for your review and include the Training Modules comprising AMT's Training Program.

Applied Metering Technologies (AMT) Training Program consists of Training Modules, simulated hands on application with equipment in a shop environment, and on the job

oversight by our lead technician. Each step is closely monitored for quality and adherence to a strict safety program borrowed from our experience while working at Southern California Edison Company. For each classification, Personnel Qualification Standards (PQS) are maintained for each employee. The PQS for each classification are listed below. As training modules or hand on training are completed, the supervisor updates a matrix identifying the date and total number of hours of training. This matrix is reviewed to ensure the employee completes each of the modules and steps required to meet our standards.

#### 460.510 - Class 1 Technician Training Modules

- QTR-001, The Singlephase Meter – Meter Reading
- QTR-002, Constants & Formulas
- QTR-003, Meter Adjustments
- QTR-004, Meter Compensation
- QTR-005, Recognition of Meter Forms
- QTR-006, Single Phase Meter Safety
- Taking Voltages
- QP-002, Visual Inspection
- QP-002, Energy Diversion Detection
- Connecting Communication Equipment
- Programming Singlephase Meters

#### 460.520 - Class 2 Technician Training Modules

- QTR-011, Polyphase Transformer Connections
- QTR-012, Meter Types and Forms
- QTR-013, Blondell's Theorem
- QTR-014, Reactive Metering
- QTR-015, Polyphase Meter Safety Test
- Blocks & Test Switches Taking Voltages
- QTR-016, Current Transformers
- QTR-017, Instrument Transformer Safety Precautions
- QTR-018, Transformer Rated meters
- QTR-019, Testing Self-Contained Polyphase meters
- Awareness of Primary Panels

460.530 - Class 3 Technician Training Modules

QTR-021, Totalized Metering  
Polyphase Transformer Connections  
Testing Transformer Rated Meters  
Meter Programming  
Substation Safety precautions  
Safety procedures, Clearances & Tagging  
Primary Installations  
High Voltage Test Procedures

AMT Quality Procedures, QP - 008, Personnel Qualification Standards are followed to maintain the level of training and qualifications that AMT will require of its technicians.